

The GARZETTE

June, 1999

Volume 10, Issue 4



Special points of interest:

- Mike Gioka, WB2SWS is the focus of this month's *On the Air With ...*
- Take a visit to Karl Phillips', K4GZZ shack in this month's *Shack Of The Month*
- Barry Zoll, N1TOG continues his series on generators with advice about buying one this month

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The President's Pen

By David Adcock, KA4KKF



This is June and Field Day is coming. I hope everyone has scheduled time to come out and see what it is all about. Don't forget that we support a can-a-thon at field day, bring a can or non-perishable item. We'll have a great time operating stations and chowing down on some good food. If you plan to help with the Lake Lanier bunch, we'll see you later in the day. The first weekend in June is the Atlanta Hamfest. There is also a Buford 5k run. At the time I'm writing this I don't know if we can cover this event. It should be over by noon. I want to thank KE4IGD, Geoffrey Allen Franklin for picking up the membership position. After a year and a half of

processing the newsletter, Paul has asked for relief. I want everyone to give Paul a pat on the back for his work. Jack and Larry (WU4H, KG4CED) have stepped forward to help with the newsletter processing.

I hope everyone can make 2:00 p.m. June 15, 1999 at the Justice and Administration building for the presentation of the proclamation for

Amateur Radio Week in Gwinnett County. Hope to see you there.

When June is over, we'll be looking at July and a slow down in activities. That will be good because we'll get busy again in August, September, and October.

If you feel you can offer help in any way, give an officer a call or drop us an email. The club can always use help. Whether it is helping with an event or doing an administrative task, everyone in the club can help make **GARS** the best amateur radio club. See you next month.

73,
KA4KKF
David



It's Field Day Time!

Mark your calendars now for June 26 and 27 because it's time for the annual ARRL Field Day. On page 8 you'll find lots of information about this year's event. There's an article on page 9 about this year's food.

The **GARS** web site at <http://www.gars.org> is another source of information especially for last minute updates.

But no matter how you get the information, please make a note now and come out and join us

for another great **GARS** effort as we attempt to better last year's score and set a mark for next year's Field Day committee to shoot at when it commences it's effort.



The GARZETTE

The GARZETTE is the official monthly organ of the Gwinnett Amateur Radio Society serving its members and other persons interested in the advancement of the amateur radio art.

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Deadline for submissions is the 24th of each month for inclusion in the following month's issue.

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All correspondence relating to articles posted in The GARZETTE or for information concerning advertising rates should be directed to the following address:

Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048
Attn: Newsletter Editor



Generators From A to Z

By Barry Zoll, N1TOQ

How to buy a generator?

The purpose of this segment of my series is to discuss the purchase of a generator. Buying a generator should not be made on an impulse, but with careful research and consideration (unlike a trip to the candy store!). Lets look at the questions you should be asking

In the event of a power outage, what circuits in my house would I like to have available? The answer to this question will determine the proper size generator for your use. The simplest method is to add up the wattage of each device you wish to use. An incandescent light bulb, a hair dryer, a hot plate or a clothing iron are all called resistive loads, that is, they use a continuous amount of electricity (i.e. a 100 watt light bulb uses 100 watts any time it is energized). Resistive loads are easy to calculate by simply adding their rated wattage. Items such as a refrigerator or a dishwasher are called reactive loads because they require an enormous amount of wattage to start and far less to run (or in the case of a refrigerator, it draws this "start-up" current each time it cycles on). Determining the current draw of a reactive load is a little more challenging. One method would be to contact the manufacturer of each appliance and ask them for this information (or read the owners manual if you still have it). Either source will tell you what the start up current draw is or they may ask you to read a code located on the motor/compressor. Another method is to use a very handy device called an inductive AC ammeter and use it to make these measurements. It costs about \$ 50.00 and is sold by Radio Shack. This device will either plug in line with the appliance (120 volt



only) or will allow you to pass a hot wire through it. (Please read the instructions before using it. If you're unsure, please contact a licensed electrician). The third method would be to obtain an estimating chart from a local dealer, but remember *these are only estimates*.

Most generators are rated in Wattage. This number is typically the maximum power the generator can deliver for a time period of no more than thirty minutes (remember what a duty cycle is?). If you add up your requirements and you've figured you'll need 4000 watts continuous, you should be purchasing a 5000-watt generator (which is one of the most popular for home stand-by use). This gap should prolong the life of the generator and give you many years of dependable use.

Now that you've added up all the wattage you'll need, the next step is to determine which brand you want (or can afford) and which features are important. Your first question when deciding on a brand is to determine where you can obtain local service. Many retail

(Continued on page 3)

Generators From A to Z

By Barry Zoll, N1TOQ

(Continued from page 2)

outlets carry generators and sell them very cheaply, but when the generator needs service (normally when you need to use it, hi-hi), the importance of having a competent service center located near you cannot be underscored. The second consideration is the availability of replacement parts.

The Japanese brand generators (Honda, Kawasaki, Yamaha) as well as Kohler and Generac will typically have parts for both the generator end and the engine available through one source. The service center is normally able to obtain these parts quickly, which means a fast turn-around for you. Many other generator companies use an engine from one manufacturer, and either produce their own generator end or source it from a vendor. The pitfall here, but not always, is that while the engine parts availability is usually very good, the manufacturer may not have a service network for the generator end, which means you may be faced with a long delay in obtaining service. Always make sure that parts and service for both the engine and generator are readily available. This step is one of the most important in the buying process!

Now we need to look at the "bells and whistles". Some features to consider are the run time per tank of fuel, the decibel rating (do you live in a subdivision?), the number and type of outlets, and the generator's ability to deliver continuous output through one 240-volt outlet. Also, there are generators available that run on more than one type of fuel (gasoline, propane, LP, etc.) so you should consider the pros and cons of each. One feature important to us hams is the ability of the generator to charge an automotive/

marine type 12-volt battery. If you wish to power a computer during an outage, consult the computer manufacturer for their recommendation.

The final installment in this series will be the safe operation of your generator, some light maintenance you can perform on your own and the best way to hook up your generator to your home electrical system and getting the most out of its available power.

73 de N1TOQ



Random Ramblings

"The best portion of a good man's life is his little, nameless, unremembered acts of kindness and love." - William Wordsworth

"He is richest who is content with the least, for content is the wealth of nature." - Socrates

"To find the universal elements enough; to find the air and the water exhilarating; to be refreshed by a morning walk or an evening saunter. . . to be thrilled by the stars at night; to be elated over a bird's nest or a wildflower in spring - these are some of the rewards of the simple life." -- John Burroughs

"Every man is guilty of all the good he didn't do." - Voltaire

"One lives in the hope of becoming a memory." --Antonio Porchia



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On The Air With Mike Gioka, WB2SQS

By Karl Phillips, K4GZZ

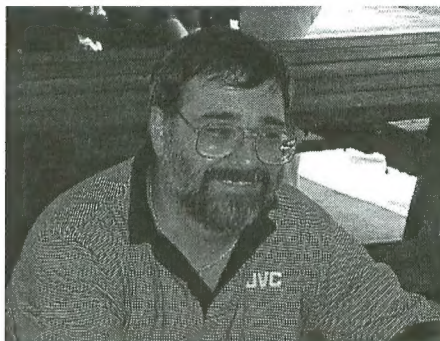
This month's ON THE AIR features Mike Gioka - WB2SQS. Mike was born in Denver, Colorado and moved to Muskogee, Oklahoma at a very early age. Mike attended grade school there and then moved to Batavia, New York. There Mike finished high school. While in high school he went to work for Golden Shield. They manufactured and re-sold consumer priced electronics. Mike was a troubleshooter of 5 tube radios in those days of around 1966. Mike attended trade school and is the holder of two diplomas, one from the trade school and one as a machinist in the metal trade industry. Mike has also attended a technical school in Rochester, New York.

Mike worked for GTE Sylvania for 8 years where he was a TV troubleshooter in Batavia. Mike also worked for Eastman Kodak for 5 years while in Rochester and for Southern Radio and TV for 1 year in Fort Smith, Arkansas.

Mike moved to Chamblee in 1981 and worked for GE from that time until 1984. After moving to the south a lot of his friends were curious as to why Mike moved down here. Mike had an interesting response to that question. Mike says "there are 365 days of sunshine in a year. Atlanta has 300 of them and the other 65 are for the people up north."

Mike is now employed at JVC Service and Engineering, located in Lawrenceville. Mike has been there for 15 years.

Mike was first licensed as a novice in 1969 as WN2ABE. After the allotted one year as a novice, of course the license expired. In 1977, Mike re-entered ham radio and in Buffalo, New York, passed his technician class license and became the WB2SQS we all know today. In 1991, he upgraded to Gen-



Mike Gioka, WB2SQS enjoys the 1998 GARS picnic.

Digital Image by Brian Siegmund, KF4MWI

eral and in 1998 upgraded to Advanced.

Mike's first introduction to radio came in the form of home-brew construction. Mike built a home-brew citizens band radio that was a one-channel radio. It worked on a crystal, so if you wanted to change frequency...you would have to change crystals. This got Mike real interested in home brewing, so Mike built a 10-meter linear amplifier that ran 350 watts.

Mike currently owns an ICOM 735, sold to him by Ike (KE4GYM) that he runs mobile. (Ike, I hear you really miss that radio!!) Mike says he has made an awful lot of contacts on that 73! Also mobile, Mike runs a Yaesu FT-2400 for 2 meters. Mike's home station is a "complete" Yaesu FT-101, a 4 element 6 meter home-brew beam, a Cushcraft A3 with the 40 meter add on and a Ringo Ranger. Mike says it's not a real elaborate setup, but he works all the stations he wants.

Mike has two daughters, two stepsons and a 3-month-old granddaughter. Mike's mom lives in nearby Cumming.

Mike joined GARS in 1997 and especially likes the GARS social

activities, but regrets he can't get to more of them because of the drive from his Alpharetta home. Mike is hoping to be able to attend more GARS events in the future, including Field Day, which Mike admits, he hasn't had much luck with in the past. For the past 2 years Mike had to leave Field Day once because he got laryngitis "he lost his voice" and once because he suffered an abscessed tooth and had to leave the field day site for the dentist. Kinda makes you curious as to what might happen this Field Day...maybe something GOOD will happen to Mike. Maybe he will be the 6 millionth contact in the history of Field Day and will win 2 million dollars! I hope you do Mike, and I hope you split it with me just for dreaming about it!

Mike is a regular on the repeater. Stop by and say hi to him and look for him at a GARS event near you. Well, time to "pull the big switch", say "73" and "see you down the old log" next month. Till then, hope to see you all at Field Day where I'll be the 15-meter band captain. Drop by and operate and enjoy the fellowship!

Karl - K4GZZ



Random Ramblings

"The recipe for perpetual ignorance is a very simple and effective one: be satisfied with your opinions and content with your knowledge." -- Elbert Hubbard



Meeting Minutes

By Mike Swiderski, K4HBI

Gwinnett Amateur Radio Society May 20, 1999, Meeting Minutes

David Adcock, KA4KKF, President, called the **GARS** meeting at the Justice and Administration Building Auditorium to order at 1930 EDST. Club officers present: David Adcock, KA4KKF, President; Rick Morris, KD4VOJ, Vice President; Jeff Cutchins, KF4NBD, Treasurer; Howie Gould, W4NVF, Activities; and Mike Swiderski, K4HBI, Secretary. Introductions, including many visitors, were followed by officer reports.

The April meeting minutes were accepted with amendment as published in the GARZETTE. The amendment and my apology was for the mis-spelling of KE4IGD's name, here is the corrected text: Geoffroey-Allen Franklin, K4HBI, made a plea for help during this years field day to all, everybody doing just a little will make the best Field Day ever, the fun in helping is tremendous and generates a warm fuzzy inside. So please help out in some capacity even for only a short time. Contact W4ADE, Ade Wirth, w4ade@aol.com.

KF4NBD, Jeff Cutchins, Treasurer, presented the financial status with a current balance of \$4169.59. The report was accepted.

David made a plea for filling the Membership Chairman's position. After a few side bars with Howie, Geoffroey-Allen Franklin accepted the position to a rousing ovation. Thank you, Geoffroey-Allen. David, KA4KKF is to provide the membership materials from Jack Perry to Geoffroey-Allen.

Announcements were next on the agenda:

Everyone was invited to the J&A Building on June 15, at 2 PM for the presentation by Wayne Hill of the proclamation of Amateur Radio Week to the **GARS** group. In



honor of this proclamation, Howie has reserved the callsign of W4G for special events stations by the club members. Talk to Howie, W4NVF about and before using this call sign to insure compliance with the FCC rules and regulations.

The Atlanta Radio Club Hamfest is being held June 5 & 6, at the Jim Miller Park, in Marietta, GA.

WD4JEM, Eddie Foust, wd4jem@bellsouth.net, requested volunteer assistance for the Lanier Canoe and Kayak's May 22 & 23, June 5&6, June 25-27, October boat race events, to provide radio communication for the safety boats stationed along the courses during these events.

KE4IGD, Geoffroey-Allen Franklin, ke4igd@arrlnet, requested assistance for the Summer Special Olympic Games during this event at Emory University, May 21-23, 1999. Contact, Steve Finger, sfinger@avdata.com.

David, KA4KKF, stated that the next executive meeting will be focused on developing the next years budget, so sharpen those pencils and committee chairpersons be ready with your future requests for the budget.

Rick, KD4VOJ requested volunteers to help KE4EIH, Bill Ahls, wahls@bellsouth.net, with the May 31, Memorial Day Parade in

Dacula, GA. It would be appreciated if volunteers could arrive earlier to help with the 5KM run also. A request was also made for help with the security watch of the "moving wall" smaller scale replica of the Vietnam Memorial.

After a request for assistance, KG4CDQ, PJ, volunteered to attempt rounding up 15 to 20 operators for the June 5, 8 to 11 AM Buford 5KM run.

The March of Dimes Walk was such a success under the coordination of KE4IGD, Geoffroey-Allen, that the event officials would like the same assistance next year.

David, KA4KKF, brought up the subject of future "dog show" participation by the club. Randy's, K4HS, motion and John's, W5NNH, second caused a vote after discussion that provided for the club's continued support of these events through Nov. 1999. In Nov. 1999, the question will be called again for future participation.

An invitation to attend the executive committee meetings was given by David, KA4KKF.

Win, N1TWX, raised a question regarding packet radio availability. The response was that 1200 baud was available on 145.03 at the "SNELLV" connection and APRS on 144.39.

Don, AJ1T, co-chairman for the 1999 **GARS** field day activities gave a very detailed account of the expected activities and personnel involved so far. DO NOT miss it, in fact see what you can do to help make it even better.

The floor was then turned over to the field day chef's spokesperson, the infamous gumbo and beignet artisan - AF4FG, Earl Whatley. He presented the menu and if you were not there to hear it, you will just have to show up and experience it. Plenty more food than last

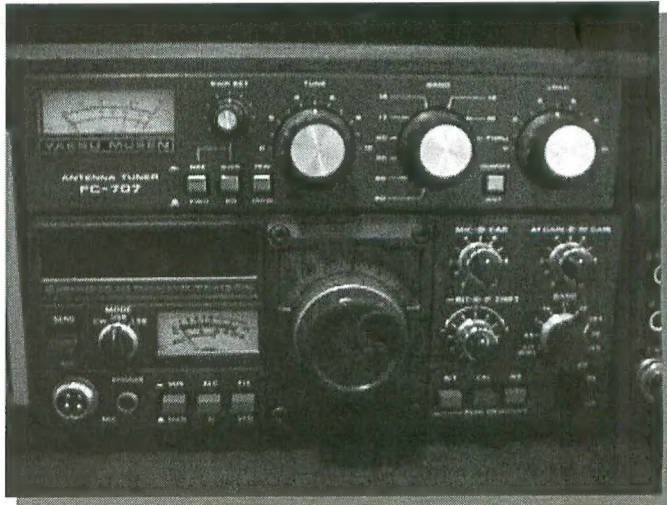
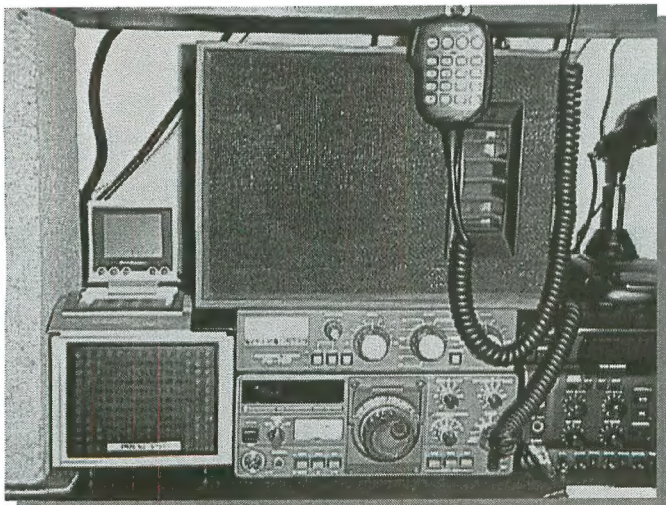
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Shack Of The Month

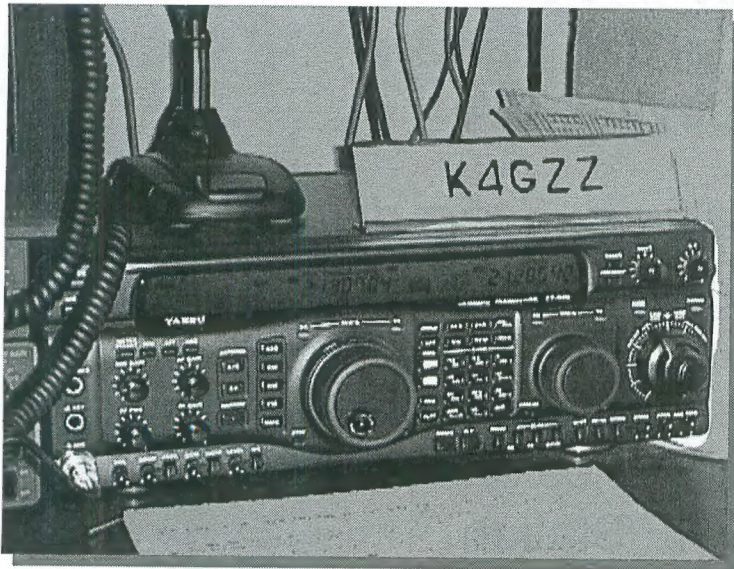
Karl Phillips, K4GZZ

Digital Images by Brian Siegmund, KF4MWI

This month we feature a regular contributor to *The GARZETTE* as the subject for Shack Of The Month, Karl Phillips, K4GZZ. Karl is the columnist of the "On The Air With" that is a monthly feature of the newsletter. Brian Siegmund, KF4MWI visited Karl recently and shot the pictures for this article. Brian reports that Karl's equipment includes a Kenwood TM-261 using a 4 element Cushcraft beam for 2 meters, an MFJ-9040 QRP rig that feeds an G5RV in an inverted Vee. He uses a straight key for the QRP rig and tunes it using an MFJ-941B antenna tuner. For other HF operating, Karl has a Kenwood TS-1205 and a Yaesu FT-920 with a Yeasu FL-707 antenna tuner. All this feeds a Hygain TH-3 three element beam mounted with a CDE rotator. Thanks to Karl for letting us photograph his shack and many thanks to Brian for doing the photography.



Shack Of The Month



GARS Field Day, 1999

**June 26 and 27
Rhodes Jordan Park
Lawrenceville, GA**

*"CQ Field Day, CQ Field Day, CQ Field Day,
this is W4GR, 8 Alpha, Georgia, calling CQ Field Day"*

Come out and join the fun and get on the air with us!

- 8 HF Stations (Voice and CW)
- UHF/VHF Station
- Satellite Station
- Novice Station
- Certificates for first contacts
- Great food (see page 9)

Second Annual GARS Can-a-thon

Please bring a canned food item, packaged non-perishable food item, or personal care item to donate to the can-a-thon. All items received will be donated to the Norcross Combined Ministries Food Bank

For more information including Field Day Committee Members, Band Captains, schedule, food menus, and last minute updates, check the **GARS** web site at:

<http://www.gars.org>

Meeting Minutes

(Continued from page 5)

year, means more help is needed to help the chefs. Please contact Earl and/or Royce, KD4EXY if you can lend these fine folks a hand, remember the closer to the food you are, the faster you get some and can get seconds. My mouth is already watering.

As with last year, the **GARS** group will hold a Can-a-thon in conjunction with field day to help support the Norcross Cooperative Ministries pantry. Commercial sealed can goods, non perishable food stuffs, health and personal care items, and of course cash are all welcomed. Help us support the less fortunate within our communities.

KD4VOJ, Rick made a special plea to bring a non-ham person to field day especially the younger folks to experience the fellowship and enjoyment of **GARS** and field day.

KE4GYM, Ike Chapman, ichapman@mindspring.com, our **GARZETTE** Editor, requested articles for the field day edition.

David, KA4KKF, also reported that the 6M repeater net which began on May 5, Wednesday at 2100 local on the 53.11-1 **GARS** 6 M repeater. The net is doing well and if there is a desire to help as net control, please contact either the **GARS** Net Manager - AF4FO, Susan Swiderski or the 6M Net Manager - KE4MLH, Marty Fowler.

K4HCM, Paul Brisendine, reported that he needed someone to take over the spindle, fold, and mutilate function to ready the **Garzette** for mailing. In true **GARS** spirit, the honorable WU4H, Jack and KG4CED, Larry accepted the challenge, thanks from all.

David introduced the New Membership Chairman, KE4IGD, Geoffroy-Allen Franklin, ke4igd@arrlnet, who submitted the following for membership:

Grady Fox, KE4FJM
Erich Schlender, KG4CQH

These good folks were accepted into the **GARS** "family" by all.

The prize drawing was enjoyed by most, especially the winners: KV1E, Jack, K4GZZ, Karl, and N0MMA, Guy.

David called the meeting to a close at 2102 EDST.

73, Notes as heard and scribed, any misspelling and erroneous information is the computers fault. Respectively submitted Mike Swiderski, K4HBI



Random Ramblings

"Twenty years from now you will be more disappointed by the things that you didn't do than by the ones you did do. So throw off the bowlines. Sail away from the safe harbor. Catch the trade winds in your sails. Explore. Dream. Discover." - Mark Twain

"Space isn't remote at all. It's only an hour's drive away if your car could go straight upwards." -- Sir Fred Hoyle

"The most overlooked advantage to owning a computer is that if they foul up there's no law against wacking them around a little." — Porterfield

"No problem is so formidable that you can't walk away from it." — Charles Schulz

"Someday we'll look back on this moment and plow into a parked car." — Evan Davis



Field Day Food

By Earl Whatley, AF4FG

You can't set up antennas and stations and play radio all day without something to eat now and then so we've got something to keep you going. Lunch at noon will be deli style sandwiches with pasta salad, chips, and various deserts. There'll be soft drinks and lemon aid as well as ice water all through the afternoon and night.

At six we'll start serving the deep fried turkey, stuffing, green bean casseroles, cranberry sauce and rolls. There'll also be more deserts.

We'll start service the cobblers about 8:30 and this year we'll have a freezer on site so there'll be ice cream to top it off.

Back by popular demand will be the midnight meal of shrimp beignets and gumbo. If that doesn't keep you going through the night we'll have a few more cobblers ala mode and plenty of hot coffee.

At seven on Sunday morning we'll have dragon eggs and other such Boy Scout style breakfast casseroles. Juice and cinnamon rolls will be available for those who just want something light.

Those who stay for the clean up get another lunch like Saturday's plus they get to finish off everything that's left.

Most everything will be cooked on site and served hot so bring your appetites!



Metro Atlanta Club Meetings

First Tuesday

Metro Atlanta Telephone Pioneers

Old Hickory House
5490 Chamblee/Dunwoody Rd, Dunwoody
Dutch dinner is at 6:30 PM, followed by meeting.
Talk In 145.410(-)

Kennehoochee ARC

First United Methodist Church in Marietta
Meeting begins at 7:30 PM
Talk In 146.880(-)

First Thursday

Atlanta Radio Club

American Red Cross Building, Lindberg Plaza
Meeting is at 7:30 PM
Talk In -146.820(-)

N.E. Georgia ARC

Jefferson Civic Center
Off of Memorial Dr. toward Winder from Jefferson
Meeting is at 6:30 PM
Talk In - 147.225(+)

Second Wednesday

North Fulton Amateur Radio League

Ryan's Steak House
Alpharetta Highway (Hwy 9), Alpharetta
Dinner at 6:30 PM, meeting at 7:30 PM
Talk In - 145.47(-)

Second Thursday

Alford Memorial Radio Club

Killian Hall, Killian Hill Road
Lilburn
Dinner at 6:00 PM, meeting at 7:30 PM
Talk In - 146.760(-)

Second Saturday

East Atlanta LAN

St. Patrick's Episcopal Church
Dunwoody
Meeting is at 10:00 AM
Talk In - 145.410(-) and 443.025(+)

Third THURSDAY



Gwinnett

**Amateur Ra-
dio Society**

Central Baptist Church
Gwinnett Drive
Lawrenceville

Meeting begins at 7:30 PM in the fellowship hall.
Talk In -147.075(+) and 444.525(+)



Metro Atlanta VE Exam Schedule

GARS publishes Metro Atlanta area VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions.

First Sunday

WCARS VEC
2:00 PM
(Except July and September)
Johnson High School
3305 Poplar Springs RD, Gainesville
Terry Jones, W4TL (770)967-6364

First Saturday

9:00AM
Clayton County Emergency
Management Building
7496 N. McDonough St., Jonesboro
George White, KN4NG (770)361-6850

Second Tuesday

7:00PM
Walton EMC
3645 Lenora Church Rd, Snellville
Wayne Taylor, WD4CCA
(770)498-7759

Second Saturday

CA VEC
8:30 AM
Stone Mountain Methodist Church
5312 West Mountain St.
Stone Mountain
Hal Martin, KI4RD
(770)978-9160

Third Saturday

CA VEC
9:00AM
Marietta First United Methodist Church
Room 305, 56 Whitlock Ave
Marietta
Larry Huff, WA4CQZ
(770)955-3171

Fourth Tuesday

ARRL VEC
7:00 PM
United Way Service Center
6279 Fairburn Road, Douglasville
Jessie Clower, KB4WFK
(770)942-6466.

Fourth Friday

W5YI VEC
7:00 PM
St. John Neumann Church
801 Tom Smith Road
Lilburn
Headphones Provided!
Howie Gould, W4NVF
(770)921-8362



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Service-Orientated Realtor...

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- Top 3% Company Sales Production
- Executive Sales Associate
- Accredited Relocation Counselor
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**COLDWELL
BANKER**

**BUCKHEAD
BROKERS**

3850 Pleasant Hill Rd.
Duluth, GA 30096



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(Pager) 404-776-2609
(Fax) 770-623-1919



GARS Communication System

6 Meter Repeater

53.110 (-1 MHz) MHz
82.5 PL

Main Repeater Site
Oak Street, Lawrenceville

2 Meter Repeater

147.075(+) MHz
82.5 PL

Main Repeater Site
Oak Street, Lawrenceville

Backup Repeater Site
Lanier Mountain, Snellville

Remote Receive Sites
Bogan Road, Buford
Goshen Springs Road, Norcross
Lanier Mountain, Snellville

70 Cm Repeater

444.525(+) MHz
82.5 PL

Main Repeater Site
Lanier Mountain, Snellville
Remote Receive Sites
Under construction
Bogan Road, Buford
Goshen Springs Road, Norcross

APRS

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Post Expires On 7/1/1999

From The Editor's Desk

By Ike Chapman, KE4GYM

Well another issue is done and distributed and as always my sincere appreciation goes to all those that contributed to this issue. Without them, the monthly task would be quite daunting and the end result would be no where near as interesting.

With this issue we also have a change in the newsletter team. Paul Brisendine, K4HCM who has been responsible for final preparation (folding, labeling, and stamping) and mailing of the newsletter is stepping down. I'd like to thank Paul for his efforts and welcome aboard his replacements. Larry Thill, KG4CED and Jack Herndon, WU4H have volunteered to take Paul's place and I look forward to working with them.

In the past several years, June has meant two **GARZETTE's** would



be published and delivered, the regular monthly edition and the Special Field Day Edition. Unfortunately this year, there were very few articles submitted, no where near enough to make a separate edition so that information has been incorporated into the regular monthly edition.

I want to thank all those that volunteered to have their shacks photographed for the *Shack Of The Month* feature. I haven't forgotten about you and have recruited Brian Siegmund, KF4MWI and Tom Doolley, K4TJD to assist with the photography. One of them or myself will be contacting you very shortly to make arrangements to visit your shack and get some pictures made.

The **GARS** website has been updated with information about Field Day and after the event look there for pictures and results. There should also be some new pictures up from recent events such as the Dacula Memorial Day parade. If you've got some suggestions for other items on the website please pass them along.

